

Abstract

A system and method for displaying monitored measurements of an apparatus on an instrument including a data bus interface, a data bus, and a plurality of instruments. The data bus interface is coupled to a data bus of the apparatus, which contains measurement data monitored by sensors
5 in the apparatus. Each of the instruments each having a microcontroller coupled to the data bus interface. A motor is driven by the microcontroller and an indicator needle is coupled to the motor for displaying the measurement of the instrument. A warning light indicator is coupled to and driven by the microcontroller. The microcontroller monitors the rate of change of the measurement being displayed on the instrument and enters into a power down mode when the
10 rate of change is below a given threshold.